

I. AMENDMENTS

Amendments to the Specification

Please amend the Specification as follows:

Please amend the fifth full paragraph on page 2, beginning on line 20 and ending on line 25 as follows:

In this case, it is merely possible to apply only a relatively weak magnetic field from a recording head so as to have an effect on only a very narrow area, and thus there is actively made a study of a magnetic recording medium having a layer structure capable of obtaining a fine CNR under such a condition.

Please amend the paragraph beginning on page 2, line 27 and ending on page 3, line 3 as follows:

Here, what records information onto a magneto-optical recording medium is a recording head, and thus when the layer structure of the magneto-optical recording medium is examined, it is also necessary to examine ~~that including~~ a structure of the recording head.

Please amend the fourth full paragraph on page 3, beginning on line 23 and ending on page 4, line 23 as follows:

To achieve the above-mentioned object, the present invention provides a first magneto-optical recording medium ~~comprising~~ including:

a substrate;

a first soft magnetic layer formed on the substrate;

a cured resin layer formed on the first soft magnetic layer having a pre-groove pattern on a surface to a back of the cured resin layer contacting with the first soft magnetic layer;

a recording reproduction layer formed on the cured resin layer; and

a protection film layer formed on the recording reproduction layer,

wherein the magneto-optical recording medium receives an irradiation of a light for recording reproduction and a supply of a magnetic field from a side of the protective film layer, and

wherein a ratio ($Bs_2 \times t_2 / Bs_1 \times t_1$) of a product $Bs_2 \times t_2$ to a product $Bs_1 \times t_1$ is not less than 0.2, wherein t_1 denotes a film thickness of a second soft magnetic layer constituting a recording head for supply the magnetic field to the magneto-optical recording medium, the recording head having a magnetic field generating coil, Bs_1 denotes a saturation magnetic flux density of the second soft magnetic layer, t_2 denotes a film thickness of the first soft magnetic

layer, and B_{s2} denotes a saturation magnetic flux density of the first soft magnetic layer.

Please amend the second full paragraph on page 5, beginning on line 15 and ending on page 6, line 7 as follows:

To achieve the above-mentioned object, the present invention provides a second magneto-optical recording medium ~~comprising~~ including:

a substrate;

a first soft magnetic layer formed on the substrate;

a cured resin layer formed on the first soft magnetic layer having a pre-groove pattern on a surface to a back of the cured resin layer contacting with the first soft magnetic layer;

a recording reproduction layer formed on the cured resin layer; and

a protective film layer formed on the recording reproduction layer,

wherein the magneto-optical recording medium receives an irradiation of a light for recording reproduction and a supply of a magnetic field from a side of the protective film layer; and

wherein the first soft magnetic layer is formed by a metallic foil.

Please amend the first full paragraph on page 10, beginning on line 1 and ending on line 12 as follows:

To record information on the magneto-optical recording medium 10, there is disposed a recording head 20 at the side of the protective film layer 15. The recording head 20 ~~comprises~~ includes a soft magnetic layer 21 having a layer thickness t_1 , a magnetic field generating coil 22, and a condensing lens 23. Lights 31 generated from a light source (not illustrated) are condensed through the condensing lens 23 on the recording reproduction layer 14. And when the magnetic field generating coil 22 is actuated to generate a magnetic field, the magnetic field has an effect on the recording reproduction layer 14 so that information is recorded on the protective film layer 15.

Please amend the paragraph beginning on page 11, line 19 and ending on page 12, line 4 as follows:

Next, in the film producing step (D), one in which the soft magnetic layer 12 is formed on the substrate 11 and then the cured resin layer 13 is formed on the soft magnetic layer 12, is mounted on a sputtering device (not illustrated), as in the step (C-2), so that a recording reproduction layer 14 is formed by a sputtering. According to the present embodiment, the

recording reproduction layer 14 ~~comprises~~ includes a compound layer of a radiation layer (AlCr), a dielectric layer (SiN), a recording layer (TFC), a reproduction layer (GFC), and a dielectric layer (SiN), which are laminated in the named order from the cured resin layer 13 side, and the sputtering device produces those layers in the named order.

Please amend the first full paragraph on page 12, beginning on line 5 and ending on line 17 as follows:

In the protective film forming step (E), ~~a~~ an ultraviolet cured resin film 55 is formed on the recording reproduction layer 14 produced by the sputtering device in accordance with a spin coat scheme (E-1), and the ultraviolet cured resin film 55 is irradiated with ultraviolet ray by the ultraviolet-light irradiation device 62, so that the ultraviolet cured resin film is cured to form the protective film layer 15. According to the present embodiment, the thickness of the protective film layer 15 is 15 μ m. This is sufficiently thin as compared with the substrate 11, and the recording head 20 (cf. Fig. 1) can approach the recording reproduction layer 14 by the correspondence.

Please amend the fourth full paragraph on page 16, beginning on line 17 and ending on line 23 as follows:

The molding product ~~comprises~~ includes a substrate 11 made of polycarbonate resin, and a soft magnetic layer 12 made of metallic foil on the substrate 11. On the center of the product is formed a hole 112. On the periphery of the substrate 11 and the periphery of the hole 112 of the center, there are formed circular convex portions 111 with which the soft magnetic layer 12 is surrounded.

Please amend the second full paragraph on page 17, beginning on line 15 and ending on line 24 as follows:

In the molding step (G) shown in Fig. 6, a metallic foil made of ~~a~~ an FeNi magnetic material having magnetic characteristic $B_s = 1.2T$, thickness $t_2 = 10\mu m$ is used to form a soft magnetic layer by molding ~~in-united~~ as one body with the substrate 11, and thereafter the magneto-optical recording medium is created via steps as shown in the step (B) to the step (E) shown in Fig. 2. When a signal is recorded onto the magneto-optical recording medium thus created, it is possible to obtain a high CNR in a similar fashion to that of that above.